

# EXHIBIT 25



2105 Pless Drive • Brighton, Michigan 48114 • Phone (810) 229-7575 • Fax (810) 229-8650 • E-mail bai-brighton@abcglobel.net

January 15, 2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

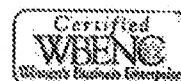
Subject: MCN0115.03  
MCN0115.03


Dear Mr. Wirth :

Thank you for making Brighton Analytical, L.L.C. your laboratory of choice. Attached are the results for the samples submitted on 01/09/2015 for the above mentioned project. NELAP/TNI Accredited Analysis and MDEQ Drinking Water Certified Analysis will be identified in their respective reporting formats. Hard copies can be supplied at your request for a fee of \$20.00 per copy.

The invoice for this project will be emailed separately. If you have any questions concerning the data or invoice, please don't hesitate to contact our office. Please reference Brighton Analytical, L.L.C. Project ID 33034 when calling or emailing. We thank you for this opportunity to partner with you on this project and hope to work with you again in the future.

Sincerely,  
Brighton Analytical, L.L.C.



|   |  |  |  |  |  |  |  |  |  |   |  |
|---|--|--|--|--|--|--|--|--|--|---|--|
|  <b>Brighton Analytical, L.L.C.</b><br>Email: ba-brighton@bshghat.net<br>2105 Pless Drive Brighton, MI 48114 Phone: 810-229-7575 Fax: 810-229-8650 |  | BA PROJECT #:<br><b>33034</b>  |  | Analysis Requested/Method  |  |  |  |  |  | PAGE 2 OF 2   |  |
|   |  | ABBREVIATIONS FOR MATRIX<br>S = Solid<br>L = Liquid<br>DW = Drinking H <sub>2</sub> O<br>O = Oil<br>P = Wipe<br>A = Air (Total Bag)<br>F = Filter<br>T = Tube<br>M = Misc.                         |  | Sample Matrix<br>Foul Partial Chem<br>PH<br>Bacteria<br>Volatiles / TTHM<br>Metals Series<br>Alkalinity  |  |  |  |  |  | COMPANY/MAILING ADDRESS<br><b>Menach Env. Inc.</b><br><b>P.O. Box 1986</b><br><b>Brighton, MI 48116</b><br>ATTN: <b>810 220 2288</b><br>PHONE: <b>810 220 2313</b><br>FAX OR EMAIL: |  |
| PROJECT NAME:<br><b>MCN011503</b>   |  | PROJECT #:<br><b>MCN0115.03</b>  |  |  |  |  |  |  |  | PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)<br><b>MCN011503</b>  |  |
| Container Type & Quantity<br>VOA'S (PRES) C N N/A<br>HDPE UNPERSERVED<br>HDPE BING<br>HDPE BSO<br>HDPE NACH<br>AMBER PRESERVED<br>GLASS NO PRESERVATIVE<br>STERILIZED BACTERIA<br>MEOH Preserved Y N                                |  | Sample ID #<br>Sample Description<br>Date<br>Time  |  | VOA'S (PRES) C N N/A<br>HDPE UNPERSERVED<br>HDPE BING<br>HDPE BSO<br>HDPE NACH<br>AMBER PRESERVED<br>GLASS NO PRESERVATIVE<br>STERILIZED BACTERIA<br>MEOH Preserved Y N                            |  | Foul Partial Chem<br>PH<br>Bacteria<br>Volatiles / TTHM<br>Metals Series<br>Alkalinity   |  | Samples received within hold time? yes <input checked="" type="checkbox"/> no <input type="checkbox"/><br>Temperature of samples °C: <b>ON ice / 4°C</b><br>pHs verified in login? yes <input checked="" type="checkbox"/> no <input type="checkbox"/><br>Headspace/bubbles in VOA's? yes <input type="checkbox"/> no <input checked="" type="checkbox"/> n/a <input type="checkbox"/><br>Sample containers and COC match? yes <input checked="" type="checkbox"/> no <input type="checkbox"/> |  |   |  |
| 1) 32 #11 Housing East 1100<br>2) 33 #12 Housing 1st Fl 1100<br>3) 34 #13 Reach UL 1200<br>4) 35 #14 UCH 3rd Fl 1300<br>5) 36 #15 French Hall 1300<br>6) 37 Field Blank<br>7) 38<br>8) 39<br>9) 40                                  |  | 1) 32 #11 Housing East 1100<br>2) 33 #12 Housing 1st Fl 1100<br>3) 34 #13 Reach UL 1200<br>4) 35 #14 UCH 3rd Fl 1300<br>5) 36 #15 French Hall 1300<br>6) 37 Field Blank<br>7) 38<br>8) 39<br>9) 40 |  | 1) 32 #11 Housing East 1100<br>2) 33 #12 Housing 1st Fl 1100<br>3) 34 #13 Reach UL 1200<br>4) 35 #14 UCH 3rd Fl 1300<br>5) 36 #15 French Hall 1300<br>6) 37 Field Blank<br>7) 38<br>8) 39<br>9) 40 |  | 1) 32 #11 Housing East 1100<br>2) 33 #12 Housing 1st Fl 1100<br>3) 34 #13 Reach UL 1200<br>4) 35 #14 UCH 3rd Fl 1300<br>5) 36 #15 French Hall 1300<br>6) 37 Field Blank<br>7) 38<br>8) 39<br>9) 40 |  | BILLING ADDRESS (IF REQUIRED):<br><b>Metals: Cu, Pb, As, Seides</b><br><b>VOA's: m.</b><br><b>*Asbestos and m.</b><br><b>Drinking H<sub>2</sub>O:</b><br>Fax to LCHD? yes <input type="checkbox"/> no <input type="checkbox"/><br>Chlorinated Water Supply? yes <input type="checkbox"/> no <input type="checkbox"/><br>AMT.:<br>MCL Failure: yes <input type="checkbox"/> no <input type="checkbox"/><br>Client Notified (date/time/initials):  |  |   |  |
| Special Instructions:   |  |  |  |  |  |  |  |  |  |   |  |
| Please fill out the Chain of Custody completely and review. Incorrect or incomplete information will result in a "hold" on all analyses.  |  |  |  |  |  |  |  |  |  |   |  |
| RELINQUISHED BY:  |  | RECEIVED BY:   |  | DATE:  |  | TIME:  |  | RELINQUISHED BY:   |  | RECEIVED BY:  |  |
| C.E. Wirth  |  | J.W. T...  |  | 1/6/15   |  | 2:35   |  |  |  |   |  |

MCNO15.03 1/9/15

P.1

| <u>Sample #</u> | <u>Location</u>   |
|-----------------|---|
| #1              | NBC North Basement<br>Fire Suppression Room N. Wall @ Main                              |
| #2              | NBC North 8 <sup>th</sup> Floor<br>Drinking Fountain East                               |
| #3              | NBC South Basement<br>Men's Room West Sink  |
| #4              | NBC South 3 <sup>rd</sup> Flr.<br>Lobby Drinking Fountain East                          |
| #5              | William S. White Bldg<br>1 <sup>st</sup> Flr. Mechanical Room @ Main                    |
| #6              | William S. White Bldg.<br>4 <sup>th</sup> Flr. Center Drinking Fountain East            |
| #7              | UPAV Basement Mechanical Room @ Main  |
| #8              | UPAV 2 <sup>nd</sup> Flr. East Entry (University Pavilion)<br>Drinking Fountain N. Wall |
| #9              | Central Energy Plant Lower Level<br>South Wall @ Main                                   |



MCN011503

4/9/15

P2

- #10 Central Energy Plant 1<sup>st</sup> Floor  
Drinking Fountain South Wall
- #11 Housing Basement Mechanical Room  
@ Main
- #12 Housing 1<sup>st</sup> Flr Lobby Drinking Fountain
- #13 Recreation Center  
Upper Level Southeast Drinking Fountain West
- #14 University Center 3<sup>rd</sup> Floor  
Drinking Fountain Northwest
- #15 French Hall 2<sup>nd</sup> Floor  
West Wall Drinking Fountain North



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e-mail: bai-brighton@sbcglobal.net  
MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 1/9/2015 1: 08:00  
Submit Date/Time: 1/9/2015 1: 14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09822

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #1 NBCN Bsmt.

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | 4            | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 15:45         | 01/12/2015    |
| Total Copper (Drinking Water)                  | Not detected | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 15:45         | 01/12/2015    |
| Total Lead (Drinking Water)                    | 1            | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 15:45         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 20000        | ug/L  | 1000 |       | EPA 200.7        | 10:02         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 210000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 15:45         | 01/12/2015    |
| Total Iron                                     | 620          | ug/L  | 20   |       | EPA 200.8 rev5.4 | 15:45         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 85000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 15:03         | 01/09/2015    |
| Total Alkalinity                               | 110000       | ug/L  | 5000 |       | SM2320B          | 09:50         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 300          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 15:03         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 730          | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 15:03         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 15:03         | 01/09/2015    |
| pH (Drinking Water)                            | 6.3          | S.I.  |      |       | SM4500 H+B       | 15:00         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 34000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 15:03         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli (Drinking Water)                       | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform (Drinking Water)                | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 19:59         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 19:59         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 19:59         | 01/12/2015    |
| Bromodichloromethane                           | 18           | ug/L  | 0.5  | 80    | EPA 524.2        | 19:59         | 01/12/2015    |
| Bromoform                                      | 5            | ug/L  | 0.5  | 80    | EPA 524.2        | 19:59         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 19:59         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 19:59         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 19:59         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 19:59         | 01/12/2015    |
| Chloroform                                     | 13           | ug/L  | 0.5  | 80    | EPA 524.2        | 19:59         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 19:59         | 01/12/2015    |
| 2-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 19:59         | 01/12/2015    |



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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 1: 08:00  
Submit Date/Time: 1/9/2015 1: 14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09822

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #1 NBCN Bsmt.

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 4-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 19:59         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| Dibromochloromethane                    | 17           | ug/L  | 0.5 | 80   | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 19:59         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 19:59         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 19:59         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 19:59         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 19:59         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 19:59         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 19:59         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 19:59         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 19:59         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 53           | ug/L  | 2.0 |      | EPA 524.2        | 19:59         | 01/12/2015    |



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MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:08:00  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09822

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #1 NBCN Bsmt.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 19:59         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 19:59         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 19:59         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 19:59         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 19:59         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 19:59         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 19:59         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
1/15/15





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 e-mail: bai-brighton@sbcglobal.net  
 MDNRE Certified #9404  
 NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:08:00  
 Submit Date/Time: 1/9/2015 12:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09823

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #2 NBCN 8th Flr.

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | 2            | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 15:51         | 01/12/2015    |
| Total Copper (Drinking Water)                  | 950          | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 15:51         | 01/12/2015    |
| Total Lead (Drinking Water)                    | 3            | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 15:51         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 19000        | ug/L  | 1000 |       | EPA 200.7        | 10:05         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 200000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 15:51         | 01/12/2015    |
| Total Iron                                     | 240          | ug/L  | 20   |       | EPA 200.8 rev5.4 | 15:51         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 83000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 15:28         | 01/09/2015    |
| Total Alkalinity                               | 110000       | ug/L  | 5000 |       | SM2320B          | 09:57         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 400          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 15:28         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 650          | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 15:28         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 15:28         | 01/09/2015    |
| pH (Drinking Water)                            | 7.0          | S.I.  |      |       | SM4500 H+B       | 15:04         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 33000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 15:28         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli (Drinking Water)                       | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform (Drinking Water)                | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 21:37         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:37         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:37         | 01/12/2015    |
| Bromodichloromethane                           | 17           | ug/L  | 0.5  | 80    | EPA 524.2        | 21:37         | 01/12/2015    |
| Bromoform                                      | 4            | ug/L  | 0.5  | 80    | EPA 524.2        | 21:37         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:37         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 21:37         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 21:37         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:37         | 01/12/2015    |
| Chloroform                                     | 16           | ug/L  | 0.5  | 80    | EPA 524.2        | 21:37         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:37         | 01/12/2015    |
| 4-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:37         | 01/12/2015    |



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MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:08:00  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09823

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #2 NBCN 8th Flr.

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 2-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 21:37         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| Dibromochloromethane                    | 14           | ug/L  | 0.5 | 80   | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 21:37         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 21:37         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 21:37         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 21:37         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 21:37         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 21:37         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:37         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 21:37         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 21:37         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 51           | ug/L  | 2.0 |      | EPA 524.2        | 21:37         | 01/12/2015    |



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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 1: 08:00  
Submit Date/Time: 1/9/2015 1: 14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09823

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #2 NBCN 8th Flr.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 21:37         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 21:37         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 21:37         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:37         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:37         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 21:37         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 21:37         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by [Signature]  
Date 1/15/15



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Sample Date/Time: 1/9/2015 1: 08:30  
Submit Date/Time: 1/9/2015 1: 14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # **33034**  
BA Sample ID **CA09824**

Project Name: **MCN0115.03**  
Project Number: **MCN0115.03**  
Sample ID: **#3 NBCS Bsmt**

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | Not detected | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 15:57         | 01/12/2015    |
| Total Copper (Drinking Water)                  | Not detected | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 15:57         | 01/12/2015    |
| Total Lead (Drinking Water)                    | 7            | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 15:57         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 18000        | ug/L  | 1000 |       | EPA 200.7        | 10:07         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 210000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 15:57         | 01/12/2015    |
| Total Iron                                     | 310          | ug/L  | 20   |       | EPA 200.8 rev5.4 | 15:57         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 85000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 15:54         | 01/09/2015    |
| Total Alkalinity                               | 110000       | ug/L  | 5000 |       | SM2320B          | 10:02         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 400          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 15:54         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 890          | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 15:54         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 15:54         | 01/09/2015    |
| pH (Drinking Water)                            | 7.0          | S.I.  |      |       | SM4500 H+B       | 15:07         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 35000        | ug/L  | 3000 |       | EPA 300.0R2.1    | 15:54         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 21:56         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:56         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:56         | 01/12/2015    |
| Bromodichloromethane                           | 19           | ug/L  | 0.5  | 80    | EPA 524.2        | 21:56         | 01/12/2015    |
| Bromoform                                      | 4            | ug/L  | 0.5  | 80    | EPA 524.2        | 21:56         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:56         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 21:56         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 21:56         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:56         | 01/12/2015    |
| Chloroform                                     | 14           | ug/L  | 0.5  | 80    | EPA 524.2        | 21:56         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:56         | 01/12/2015    |
| 2-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 21:56         | 01/12/2015    |



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Sample Date/Time: 1/9/2015 12:08:30  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09824

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #3 NBCS Bsmt

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 4-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 21:56         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| Dibromochloromethane                    | 17           | ug/L  | 0.5 | 80   | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 21:56         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 21:56         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 21:56         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 21:56         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 21:56         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 21:56         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 21:56         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 21:56         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 21:56         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 54           | ug/L  | 2.0 |      | EPA 524.2        | 21:56         | 01/12/2015    |





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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:08:30  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09824

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #3 NBCS Bsmr

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 21:56         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 21:56         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 21:56         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:56         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 21:56         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 21:56         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 21:56         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
1/15/15



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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:08:30  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09825

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #4 NBCS 3rd Flr.

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | Not detected | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 16:03         | 01/12/2015    |
| Total Copper (Drinking Water)                  | 1000         | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 16:03         | 01/12/2015    |
| Total Lead (Drinking Water)                    | 29           | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 16:03         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 18000        | ug/L  | 1000 |       | EPA 200.7        | 10:09         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 200000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 16:03         | 01/12/2015    |
| Total Iron                                     | 90           | ug/L  | 20   |       | EPA 200.8 rev5.4 | 16:03         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 83000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 16:20         | 01/09/2015    |
| Total Alkalinity                               | 98000        | ug/L  | 5000 |       | SM2320B          | 10:09         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 500          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 16:20         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 660          | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 16:20         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 16:20         | 01/09/2015    |
| pH (Drinking Water)                            | 7.0          | S.I.  |      |       | SM4500 H+B       | 15:12         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 34000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 16:20         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 22:15         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:15         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:15         | 01/12/2015    |
| Bromodichloromethane                           | 15           | ug/L  | 0.5  | 80    | EPA 524.2        | 22:15         | 01/12/2015    |
| Bromoform                                      | 2            | ug/L  | 0.5  | 80    | EPA 524.2        | 22:15         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:15         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 22:15         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 22:15         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:15         | 01/12/2015    |
| Chloroform                                     | 18           | ug/L  | 0.5  | 80    | EPA 524.2        | 22:15         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:15         | 01/12/2015    |
| 2-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:15         | 01/12/2015    |



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MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 1/9/2015 1: 08:30  
Submit Date/Time: 1/9/2015 1: 14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09825

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #4 NBCS 3rd Flr.

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 4-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 22:15         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| Dibromochloromethane                    | 11           | ug/L  | 0.5 | 80   | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 22:15         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 22:15         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 22:15         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 22:15         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:15         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 22:15         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:15         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:15         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 22:15         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 46           | ug/L  | 2.0 |      | EPA 524.2        | 22:15         | 01/12/2015    |



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Sample Date/Time: 1/9/2015 1:08:30  
Submit Date/Time: 1/9/2015 1:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # **33034**  
BA Sample ID **CA09825**

Project Name: **MCN0115.03**  
Project Number: **MCN0115.03**  
Sample ID: **#4 NBCS 3rd Flr.**

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 22:15         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 22:15         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 22:15         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:15         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:15         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 22:15         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 22:15         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
1/15/15



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Sample Date/Time: 1/9/2015 11:09:00  
Submit Date/Time: 1/9/2015 11:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09826

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #5 WSW Mech.

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | 2            | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 16:26         | 01/12/2015    |
| Total Copper (Drinking Water)                  | Not detected | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 16:26         | 01/12/2015    |
| Total Lead (Drinking Water)                    | 3            | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 16:26         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 18000        | ug/L  | 1000 |       | EPA 200.7        | 10:12         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 170000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 16:26         | 01/12/2015    |
| Total Iron                                     | 230          | ug/L  | 20   |       | EPA 200.8 rev5.4 | 16:26         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 85000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 16:46         | 01/09/2015    |
| Total Alkalinity                               | 84000        | ug/L  | 5000 |       | SM2320B          | 10:14         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 100          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 16:46         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 1100         | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 16:46         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 16:46         | 01/09/2015    |
| pH (Drinking Water)                            | 7.2          | S.I.  |      |       | SM4500 H+B       | 15:17         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 36000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 16:46         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 22:35         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:35         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:35         | 01/12/2015    |
| Bromodichloromethane                           | 11           | ug/L  | 0.5  | 80    | EPA 524.2        | 22:35         | 01/12/2015    |
| Bromoform                                      | 3            | ug/L  | 0.5  | 80    | EPA 524.2        | 22:35         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:35         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 22:35         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 22:35         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:35         | 01/12/2015    |
| Chloroform                                     | 8            | ug/L  | 0.5  | 80    | EPA 524.2        | 22:35         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:35         | 01/12/2015    |
| 4-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:35         | 01/12/2015    |





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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 1: 09:00  
Submit Date/Time: 1/9/2015 1: 14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09826

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #5 WSW Mech.

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 2-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 22:35         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| Dibromochloromethane                    | 10           | ug/L  | 0.5 | 80   | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 22:35         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 22:35         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 22:35         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 22:35         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:35         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 22:35         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:35         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:35         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 22:35         | 01/12/2015    |
| Total THM (Drinking Water)              | 32           | ug/L  | 2.0 |      | EPA 524.2        | 22:35         | 01/12/2015    |



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 NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:09:00  
 Submit Date/Time: 1/9/2015 12:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09826

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #5 WSW Mech.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 22:35         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 22:35         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 22:35         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:35         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:35         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 22:35         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 22:35         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*uttol*  
 1/15/15



**Brighton Analytical LLC**  
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 e-mail: bai-brighton@sbcglobal.net  
 MDNRE Certified #9404  
 NELAC Accredited #176507

Sample Date/Time: 1/9/2015 11:09:00  
 Submit Date/Time: 1/9/2015 11:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09827

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #6 WSW 4th Flr.

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | 3            | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 16:32         | 01/12/2015    |
| Total Copper (Drinking Water)                  | 220          | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 16:32         | 01/12/2015    |
| Total Lead (Drinking Water)                    | Not detected | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 16:32         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 17000        | ug/L  | 1000 |       | EPA 200.7        | 10:41         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 180000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 16:32         | 01/12/2015    |
| Total Iron                                     | 60           | ug/L  | 20   |       | EPA 200.8 rev5.4 | 16:32         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 85000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 17:12         | 01/09/2015    |
| Total Alkalinity                               | 75000        | ug/L  | 5000 |       | SM2320B          | 10:19         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 200          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 17:12         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 1100         | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 17:12         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 17:12         | 01/09/2015    |
| pH (Drinking Water)                            | 7.3          | S.I.  |      |       | SM4500 H+B       | 15:24         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 35000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 17:12         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 22:55         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:55         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:55         | 01/12/2015    |
| Bromodichloromethane                           | 9            | ug/L  | 0.5  | 80    | EPA 524.2        | 22:55         | 01/12/2015    |
| Bromoform                                      | 0.8          | ug/L  | 0.5  | 80    | EPA 524.2        | 22:55         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:55         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 22:55         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 22:55         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:55         | 01/12/2015    |
| Chloroform                                     | 14           | ug/L  | 0.5  | 80    | EPA 524.2        | 22:55         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:55         | 01/12/2015    |
| 4-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 22:55         | 01/12/2015    |



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Sample Date/Time: 1/9/2015 11:09:00  
 Submit Date/Time: 1/9/2015 11:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # **33034**  
 BA Sample ID **CA09827**

Project Name: **MCN0115.03**  
 Project Number: **MCN0115.03**  
 Sample ID: **#6 WSW 4th Flr.**

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 2-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 22:55         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| Dibromochloromethane                    | 4            | ug/L  | 0.5 | 80   | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 22:55         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 22:55         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 22:55         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:55         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 22:55         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 22:55         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 22:55         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 22:55         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 28           | ug/L  | 2.0 |      | EPA 524.2        | 22:55         | 01/12/2015    |



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Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034

Project Name: MCN0115.03

BA Sample ID CA09827

Project Number: MCN0115.03

Sample ID: #6 WSW 4th Flr.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 22:55         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 22:55         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 22:55         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:55         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 22:55         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 22:55         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 22:55         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
1/15/15





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Sample Date/Time: 1/9/2015 11:09:30  
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Monarch Environmental, Inc.  
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BA Project # **33034**  
 BA Sample ID **CA09828**

Project Name: **MCN0115.03**  
 Project Number: **MCN0115.03**  
 Sample ID: **#7 UPAV Bsmt.**

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | 5            | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 16:38         | 01/12/2015    |
| Total Copper (Drinking Water)                  | Not detected | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 16:38         | 01/12/2015    |
| Total Lead (Drinking Water)                    | 2            | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 16:38         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 16000        | ug/L  | 1000 |       | EPA 200.7        | 10:43         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 210000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 16:38         | 01/12/2015    |
| Total Iron                                     | 80           | ug/L  | 20   |       | EPA 200.8 rev5.4 | 16:38         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 83000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 17:38         | 01/09/2015    |
| Total Alkalinity                               | 100000       | ug/L  | 5000 |       | SM2320B          | 10:25         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 400          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 17:38         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 930          | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 17:38         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 17:38         | 01/09/2015    |
| pH (Drinking Water)                            | 7.9          | S.I.  |      |       | SM4500 H+B       | 15:35         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 35000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 17:38         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 23:14         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:14         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:14         | 01/12/2015    |
| Bromodichloromethane                           | 19           | ug/L  | 0.5  | 80    | EPA 524.2        | 23:14         | 01/12/2015    |
| Bromoform                                      | 3            | ug/L  | 0.5  | 80    | EPA 524.2        | 23:14         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:14         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 23:14         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 23:14         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:14         | 01/12/2015    |
| Chloroform                                     | 14           | ug/L  | 0.5  | 80    | EPA 524.2        | 23:14         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:14         | 01/12/2015    |
| 4-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:14         | 01/12/2015    |



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Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09828

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #7 UPAV Bsmt.

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 2-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 23:14         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| Dibromochloromethane                    | 15           | ug/L  | 0.5 | 80   | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 23:14         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 23:14         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 23:14         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:14         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 23:14         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:14         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:14         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 23:14         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 51           | ug/L  | 2.0 |      | EPA 524.2        | 23:14         | 01/12/2015    |



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 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09828

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #7 UPAV Bsmt.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 23:14         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 23:14         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 23:14         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:14         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:14         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 23:14         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 23:14         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
 1/15/15



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 e-mail: bai-brighton@sbcglobal.net  
 MDNRE Certified #9404  
 NELAC Accredited #176507

Sample Date/Time: 1/9/2015 11:09:30  
 Submit Date/Time: 1/9/2015 11:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # **33034**  
 BA Sample ID **CA09829**

Project Name: **MCN0115.03**  
 Project Number: **MCN0115.03**  
 Sample ID: **#8 UPAV 2nd Flr.**

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | 3            | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 16:44         | 01/12/2015    |
| Total Copper (Drinking Water)                  | 40           | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 16:44         | 01/12/2015    |
| Total Lead (Drinking Water)                    | Not detected | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 16:44         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 17000        | ug/L  | 1000 |       | EPA 200.7        | 10:46         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 210000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 16:44         | 01/12/2015    |
| Total Iron                                     | 30           | ug/L  | 20   |       | EPA 200.8 rev5.4 | 16:44         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 83000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 18:04         | 01/09/2015    |
| Total Alkalinity                               | 100000       | ug/L  | 5000 |       | SM2320B          | 10:30         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 300          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 18:04         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 1000         | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 18:04         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 18:04         | 01/09/2015    |
| pH (Drinking Water)                            | 7.8          | S.I.  |      |       | SM4500 H+B       | 15:40         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 35000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 18:04         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 23:34         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:34         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:34         | 01/12/2015    |
| Bromodichloromethane                           | 15           | ug/L  | 0.5  | 80    | EPA 524.2        | 23:34         | 01/12/2015    |
| Bromoform                                      | 2            | ug/L  | 0.5  | 80    | EPA 524.2        | 23:34         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:34         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 23:34         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 23:34         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:34         | 01/12/2015    |
| Chloroform                                     | 14           | ug/L  | 0.5  | 80    | EPA 524.2        | 23:34         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:34         | 01/12/2015    |
| 2-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:34         | 01/12/2015    |



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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 11:09:30  
Submit Date/Time: 1/9/2015 11:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09829

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #8 UPAV 2nd Flr.

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 4-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 23:34         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| Dibromochloromethane                    | 10           | ug/L  | 0.5 | 80   | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 23:34         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 23:34         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 23:34         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:34         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 23:34         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:34         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:34         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 23:34         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 41           | ug/L  | 2.0 |      | EPA 524.2        | 23:34         | 01/12/2015    |





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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:09:30  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09829

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #8 UPAV 2nd Flr.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 23:34         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 23:34         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 23:34         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:34         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:34         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 23:34         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 23:34         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

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Date

*[Signature]*  
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Sample Date/Time: 1/9/2015 12:10:00  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # **33034**  
BA Sample ID **CA09830**

Project Name: **MCN0115.03**  
Project Number: **MCN0115.03**  
Sample ID: **#9 CEPLL**

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | 3            | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 18:11         | 01/12/2015    |
| Total Copper (Drinking Water)                  | Not detected | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 18:11         | 01/12/2015    |
| Total Lead (Drinking Water)                    | 1            | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 18:11         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 16000        | ug/L  | 1000 |       | EPA 200.7        | 10:55         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 170000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 18:11         | 01/12/2015    |
| Total Iron                                     | Not detected | ug/L  | 20   |       | EPA 200.8 rev5.4 | 18:11         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 85000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 18:29         | 01/09/2015    |
| Total Alkalinity                               | 61000        | ug/L  | 5000 |       | SM2320B          | 10:40         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 100          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 18:29         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 1100         | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 18:29         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 18:29         | 01/09/2015    |
| pH (Drinking Water)                            | 7.6          | S.I.  |      |       | SM4500 H+B       | 15:47         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 36000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 18:29         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 23:53         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:53         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:53         | 01/12/2015    |
| Bromodichloromethane                           | 9            | ug/L  | 0.5  | 80    | EPA 524.2        | 23:53         | 01/12/2015    |
| Bromoform                                      | 2            | ug/L  | 0.5  | 80    | EPA 524.2        | 23:53         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:53         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 23:53         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 23:53         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:53         | 01/12/2015    |
| Chloroform                                     | 6            | ug/L  | 0.5  | 80    | EPA 524.2        | 23:53         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:53         | 01/12/2015    |
| 2-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 23:53         | 01/12/2015    |



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Sample Date/Time: 1/9/2015 11:10:00  
Submit Date/Time: 1/9/2015 11:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09830

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #9 CEPLL

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 4-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 23:53         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| Dibromochloromethane                    | 7            | ug/L  | 0.5 | 80   | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 23:53         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 23:53         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 23:53         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:53         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 23:53         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 23:53         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 23:53         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 23:53         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 24           | ug/L  | 2.0 |      | EPA 524.2        | 23:53         | 01/12/2015    |



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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:10:00  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09830

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #9 CEPLL

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 23:53         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 23:53         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 23:53         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:53         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 23:53         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 23:53         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 23:53         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
1/15/15



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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:10:00  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # **33034**  
BA Sample ID **CA09831**

Project Name: **MCN0115.03**  
Project Number: **MCN0115.03**  
Sample ID: **#10 CEP 1st Flr.**

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | 5            | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 18:17         | 01/12/2015    |
| Total Copper (Drinking Water)                  | 190          | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 18:17         | 01/12/2015    |
| Total Lead (Drinking Water)                    | 3            | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 18:17         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 15000        | ug/L  | 1000 |       | EPA 200.7        | 10:57         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 160000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 18:17         | 01/12/2015    |
| Total Iron                                     | 40           | ug/L  | 20   |       | EPA 200.8 rev5.4 | 18:17         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 530000       | ug/L  | 1000 |       | EPA 300.0R2.1    | 18:55         | 01/09/2015    |
| Total Alkalinity                               | Not detected | ug/L  | 5000 |       | SM2320B          | 10:35         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 400          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 18:55         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 880          | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 18:55         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 18:55         | 01/09/2015    |
| pH (Drinking Water)                            | 2.1          | S.I.  |      |       | SM4500 H+B       | 15:50         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 59000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 18:55         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 00:13         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:13         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:13         | 01/12/2015    |
| Bromodichloromethane                           | 19           | ug/L  | 0.5  | 80    | EPA 524.2        | 00:13         | 01/12/2015    |
| Bromoform                                      | 3            | ug/L  | 0.5  | 80    | EPA 524.2        | 00:13         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:13         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 00:13         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 00:13         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:13         | 01/12/2015    |
| Chloroform                                     | 36           | ug/L  | 0.5  | 80    | EPA 524.2        | 00:13         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:13         | 01/12/2015    |
| 4-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:13         | 01/12/2015    |





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Sample Date/Time: 1/9/2015 1: 10:00  
 Submit Date/Time: 1/9/2015 1: 14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09831

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #10 CEP 1st Flr.

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 2-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 00:13         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| Dibromochloromethane                    | 14           | ug/L  | 0.5 | 80   | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 00:13         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 00:13         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 00:13         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 00:13         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:13         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 00:13         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:13         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:13         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 00:13         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 72           | ug/L  | 2.0 |      | EPA 524.2        | 00:13         | 01/12/2015    |



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MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:10:00  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09831

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #10 CEP 1st Flr.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 00:13         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 00:13         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 00:13         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:13         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:13         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 00:13         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 00:13         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
1/15/15



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 NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:11:00  
 Submit Date/Time: 1/9/2015 12:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09832

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #11 Housing Bsmt.

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | Not detected | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 18:23         | 01/12/2015    |
| Total Copper (Drinking Water)                  | Not detected | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 18:23         | 01/12/2015    |
| Total Lead (Drinking Water)                    | 4            | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 18:23         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 16000        | ug/L  | 1000 |       | EPA 200.7        | 11:07         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 180000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 18:23         | 01/12/2015    |
| Total Iron                                     | 1300         | ug/L  | 20   |       | EPA 200.8 rev5.4 | 18:23         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 85000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 19:21         | 01/09/2015    |
| Total Alkalinity                               | 66000        | ug/L  | 5000 |       | SM2320B          | 11:03         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 200          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 19:21         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 1100         | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 19:21         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 19:21         | 01/09/2015    |
| pH (Drinking Water)                            | 7.1          | S.I.  |      |       | SM4500 H+B       | 16:00         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 37000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 19:21         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 00:32         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:32         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:32         | 01/12/2015    |
| Bromodichloromethane                           | 10           | ug/L  | 0.5  | 80    | EPA 524.2        | 00:32         | 01/12/2015    |
| Bromoform                                      | 2            | ug/L  | 0.5  | 80    | EPA 524.2        | 00:32         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:32         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 00:32         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 00:32         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:32         | 01/12/2015    |
| Chloroform                                     | 7            | ug/L  | 0.5  | 80    | EPA 524.2        | 00:32         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:32         | 01/12/2015    |
| 4-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:32         | 01/12/2015    |



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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 1: 11:00  
Submit Date/Time: 1/9/2015 1: 14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # **33034**  
BA Sample ID **CA09832**

Project Name: **MCN0115.03**  
Project Number: **MCN0115.03**  
Sample ID: **#11 Housing Bsmt.**

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 2-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 00:32         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| Dibromochloromethane                    | 9            | ug/L  | 0.5 | 80   | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 00:32         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 00:32         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 00:32         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:32         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 00:32         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:32         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:32         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 00:32         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 28           | ug/L  | 2.0 |      | EPA 524.2        | 00:32         | 01/12/2015    |



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 NELAC Accredited #176507

Sample Date/Time: 1/9/2015 11:11:00  
 Submit Date/Time: 1/9/2015 11:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09832

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #11 Housing Bsmt.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 00:32         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 00:32         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 00:32         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:32         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:32         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 00:32         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 00:32         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
 1/15/15





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 NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:11:00  
 Submit Date/Time: 1/9/2015 12:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09833

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #12 Housing 1st Flr.

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | 2            | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 18:47         | 01/12/2015    |
| Total Copper (Drinking Water)                  | 310          | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 18:47         | 01/12/2015    |
| Total Lead (Drinking Water)                    | Not detected | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 18:47         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 15000        | ug/L  | 1000 |       | EPA 200.7        | 11:09         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 200000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 18:47         | 01/12/2015    |
| Total Iron                                     | Not detected | ug/L  | 20   |       | EPA 200.8 rev5.4 | 18:47         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 81000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 21:05         | 01/09/2015    |
| Total Alkalinity                               | 100000       | ug/L  | 5000 |       | SM2320B          | 11:08         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 300          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 21:05         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 1000         | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 21:05         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 21:05         | 01/09/2015    |
| pH (Drinking Water)                            | 7.1          | S.I.  |      |       | SM4500 H+B       | 16:07         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 35000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 21:05         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 00:52         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:52         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:52         | 01/12/2015    |
| Bromodichloromethane                           | 15           | ug/L  | 0.5  | 80    | EPA 524.2        | 00:52         | 01/12/2015    |
| Bromoform                                      | 0.8          | ug/L  | 0.5  | 80    | EPA 524.2        | 00:52         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:52         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 00:52         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 00:52         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:52         | 01/12/2015    |
| Chloroform                                     | 29           | ug/L  | 0.5  | 80    | EPA 524.2        | 00:52         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:52         | 01/12/2015    |
| 4-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 00:52         | 01/12/2015    |



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Sample Date/Time: 1/9/2015 12:11:00  
 Submit Date/Time: 1/9/2015 12:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # **33034**  
 BA Sample ID **CA09833**

Project Name: **MCN0115.03**  
 Project Number: **MCN0115.03**  
 Sample ID: **#12 Housing 1st Flr.**

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 2-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 00:52         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| Dibromochloromethane                    | 6            | ug/L  | 0.5 | 80   | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 00:52         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 00:52         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 00:52         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 00:52         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:52         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 00:52         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 00:52         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 00:52         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 00:52         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 51           | ug/L  | 2.0 |      | EPA 524.2        | 00:52         | 01/12/2015    |



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Sample Date/Time: 1/9/2015 12:11:00  
 Submit Date/Time: 1/9/2015 12:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09833

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #12 Housing 1st Flr.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 00:52         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 00:52         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 00:52         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:52         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 00:52         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 00:52         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 00:52         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
 1/15/15



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Sample Date/Time: 1/9/2015 12:00  
 Submit Date/Time: 1/9/2015 14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09834

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #13 Rec. Ctr. UL

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | Not detected | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 18:52         | 01/12/2015    |
| Total Copper (Drinking Water)                  | 60           | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 18:52         | 01/12/2015    |
| Total Lead (Drinking Water)                    | Not detected | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 18:52         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 16000        | ug/L  | 1000 |       | EPA 200.7        | 11:11         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 220000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 18:52         | 01/12/2015    |
| Total Iron                                     | 280          | ug/L  | 20   |       | EPA 200.8 rev5.4 | 18:52         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 81000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 21:31         | 01/09/2015    |
| Total Alkalinity                               | 100000       | ug/L  | 5000 |       | SM2320B          | 11:14         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 300          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 21:31         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 1000         | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 21:31         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 21:31         | 01/09/2015    |
| pH (Drinking Water)                            | 7.2          | S.I.  |      |       | SM4500 H+B       | 16:12         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 35000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 21:31         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 01:11         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:11         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:11         | 01/12/2015    |
| Bromodichloromethane                           | 26           | ug/L  | 0.5  | 80    | EPA 524.2        | 01:11         | 01/12/2015    |
| Bromoform                                      | 3            | ug/L  | 0.5  | 80    | EPA 524.2        | 01:11         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:11         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 01:11         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 01:11         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:11         | 01/12/2015    |
| Chloroform                                     | 26           | ug/L  | 0.5  | 80    | EPA 524.2        | 01:11         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:11         | 01/12/2015    |
| 2-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:11         | 01/12/2015    |



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 MDNRE Certified #9404  
 NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:00  
 Submit Date/Time: 1/9/2015 14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # **33034**  
 BA Sample ID **CA09834**

Project Name: **MCN0115.03**  
 Project Number: **MCN0115.03**  
 Sample ID: **#13 Rec. Ctr. UL**

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 4-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 01:11         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| Dibromochloromethane                    | 17           | ug/L  | 0.5 | 80   | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 01:11         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 01:11         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:11         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 01:11         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:11         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 01:11         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:11         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:11         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 01:11         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 72           | ug/L  | 2.0 |      | EPA 524.2        | 01:11         | 01/12/2015    |





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Sample Date/Time: 1/9/2015 12:00  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09834

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #13 Rec. Ctr. UL

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 01:11         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 01:11         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 01:11         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:11         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:11         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 01:11         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 01:11         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
1/15/15



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Sample Date/Time: 1/9/2015 12:13:00  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # **33034**  
BA Sample ID **CA09835**

Project Name: **MCN0115.03**  
Project Number: **MCN0115.03**  
Sample ID: **#14 UCEN 3rd Flr.**

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | Not detected | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 18:58         | 01/12/2015    |
| Total Copper (Drinking Water)                  | 110          | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 18:58         | 01/12/2015    |
| Total Lead (Drinking Water)                    | Not detected | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 18:58         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 15000        | ug/L  | 1000 |       | EPA 200.7        | 11:16         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 200000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 18:58         | 01/12/2015    |
| Total Iron                                     | Not detected | ug/L  | 20   |       | EPA 200.8 rev5.4 | 18:58         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 81000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 21:57         | 01/09/2015    |
| Total Alkalinity                               | 110000       | ug/L  | 5000 |       | SM2320B          | 11:19         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 300          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 21:57         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 1000         | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 21:57         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 21:57         | 01/09/2015    |
| pH (Drinking Water)                            | 7.1          | S.I.  |      |       | SM4500 H+B       | 16:18         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 35000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 21:57         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       | 0    |       | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 01:30         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:30         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:30         | 01/12/2015    |
| Bromodichloromethane                           | 21           | ug/L  | 0.5  | 80    | EPA 524.2        | 01:30         | 01/12/2015    |
| Bromoform                                      | 2            | ug/L  | 0.5  | 80    | EPA 524.2        | 01:30         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:30         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 01:30         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 01:30         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:30         | 01/12/2015    |
| Chloroform                                     | 31           | ug/L  | 0.5  | 80    | EPA 524.2        | 01:30         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:30         | 01/12/2015    |
| 4-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:30         | 01/12/2015    |



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Sample Date/Time: 1/9/2015 1: 13:00  
 Submit Date/Time: 1/9/2015 1: 14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # **33034**  
 BA Sample ID **CA09835**

Project Name: **MCN0115.03**  
 Project Number: **MCN0115.03**  
 Sample ID: **#14 UCEN 3rd Flr.**

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 2-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 01:30         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| Dibromochloromethane                    | 11           | ug/L  | 0.5 | 80   | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 01:30         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 01:30         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 01:30         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:30         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 01:30         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:30         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:30         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 01:30         | 01/12/2015    |
| Total TTHM (Drinking Water)             | 65           | ug/L  | 2.0 |      | EPA 524.2        | 01:30         | 01/12/2015    |



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Sample Date/Time: 1/9/2015 11:13:00  
Submit Date/Time: 1/9/2015 11:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09835

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #14 UCEN 3rd Flr.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 01:30         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 01:30         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 01:30         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:30         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:30         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 01:30         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 01:30         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
1/15/15



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NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:13:30  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # **33034**  
BA Sample ID **CA09836**

Project Name: **MCN0115.03**  
Project Number: **MCN0115.03**  
Sample ID: **#15 French Hall 2nd Flr.**

| Analyte Name                                   | Result       | Units | RL   | MCL   | Method Reference | Analysis Time | Analysis Date |
|--|--------------|-------|------|-------|------------------|---------------|---------------|
| <b>Drinking Water Metal Analysis</b>           |              |       |      |       |                  |               |               |
| Total Arsenic (Drinking Water)                 | 1            | ug/L  | 1    | 10    | EPA 200.8 rev5.4 | 17:36         | 01/12/2015    |
| Total Copper (Drinking Water)                  | Not detected | ug/L  | 20   | 1300  | EPA 200.8 rev5.4 | 17:36         | 01/12/2015    |
| Total Lead (Drinking Water)                    | 3            | ug/L  | 1    | 15    | EPA 200.8 rev5.4 | 17:36         | 01/12/2015    |
| Total Sodium (Drinking Water)                  | 17000        | ug/L  | 1000 |       | EPA 200.7        | 11:18         | 01/14/2015    |
| <b>Total Metal Analysis</b>                    |              |       |      |       |                  |               |               |
| Hardness by Calculation                        | 200000       | ug/L  | 5000 |       | EPA 200.8 rev5.4 | 17:36         | 01/12/2015    |
| Total Iron                                     | 70           | ug/L  | 20   |       | EPA 200.8 rev5.4 | 17:36         | 01/12/2015    |
| <b>Inorganic Analysis</b>                      |              |       |      |       |                  |               |               |
| Chloride                                       | 83000        | ug/L  | 1000 |       | EPA 300.0R2.1    | 22:23         | 01/09/2015    |
| Total Alkalinity                               | 97000        | ug/L  | 5000 |       | SM2320B          | 11:24         | 01/15/2015    |
| <b>Drinking Water Inorganic Analysis</b>       |              |       |      |       |                  |               |               |
| Fluoride (Drinking Water)                      | 400          | ug/L  | 100  | 4000  | EPA 300.0R2.1    | 22:23         | 01/09/2015    |
| Nitrate (Drinking Water)                       | 90           | ug/L  | 50   | 10000 | EPA 300.0R2.1    | 22:23         | 01/09/2015    |
| Nitrite (Drinking Water)                       | Not detected | ug/L  | 50   | 1000  | EPA 300.0R2.1    | 22:23         | 01/09/2015    |
| pH (Drinking Water)                            | 7.1          | S.I.  |      |       | SM4500 H+B       | 16:24         | 01/09/2015    |
| Sulfate (Drinking Water)                       | 37000        | ug/L  | 5000 |       | EPA 300.0R2.1    | 22:23         | 01/09/2015    |
| <b>Drinking Water Microbiological Analysis</b> |              |       |      |       |                  |               |               |
| E. coli(Drinking Water)                        | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| Total Coliform(Drinking Water)                 | Negative     |       |      | 0     | ATP D05-0035     | 16:00         | 01/09/2015    |
| <b>Drinking Water Volatile Analysis</b>        |              |       |      |       |                  |               |               |
| Benzene  | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 01:50         | 01/12/2015    |
| Bromobenzene                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:50         | 01/12/2015    |
| Bromochloromethane                             | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:50         | 01/12/2015    |
| Bromodichloromethane                           | Not detected | ug/L  | 0.5  | 80    | EPA 524.2        | 01:50         | 01/12/2015    |
| Bromoform                                      | Not detected | ug/L  | 0.5  | 80    | EPA 524.2        | 01:50         | 01/12/2015    |
| Bromomethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:50         | 01/12/2015    |
| Carbon tetrachloride                           | Not detected | ug/L  | 0.5  | 5     | EPA 524.2        | 01:50         | 01/12/2015    |
| Chlorobenzene                                  | Not detected | ug/L  | 0.5  | 100   | EPA 524.2        | 01:50         | 01/12/2015    |
| Chloroethane                                   | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:50         | 01/12/2015    |
| Chloroform                                     | Not detected | ug/L  | 0.5  | 80    | EPA 524.2        | 01:50         | 01/12/2015    |
| Chloromethane                                  | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:50         | 01/12/2015    |
| 2-Chlorotoluene                                | Not detected | ug/L  | 1    |       | EPA 524.2        | 01:50         | 01/12/2015    |





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 Brighton, Michigan 48114  
 Phone: (810)229-7575 (810)229-8650  
 e-mail: bai-brighton@sbcglobal.net  
 MDNRE Certified #9404  
 NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:13:30  
 Submit Date/Time: 1/9/2015 12:14:45  
 Report Date: 1/15/2015

Monarch Environmental, Inc.  
 P.O. Box 1986  
 Brighton, MI 48116

BA Project # 33034  
 BA Sample ID CA09836

Project Name: MCN0115.03  
 Project Number: MCN0115.03  
 Sample ID: #15 French Hall 2nd Flr.

| Analyte Name                            | Result       | Units | RL  | MCL  | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |      |                  |               |               |
| 4-Chlorotoluene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| cis-1,2-Dichloroethene                  | Not detected | ug/L  | 0.5 | 70   | EPA 524.2        | 01:50         | 01/12/2015    |
| cis-1,3-Dichloropropene                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| Dibromochloromethane                    | Not detected | ug/L  | 0.5 | 80   | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,2-Dibromoethane(Ethylene Dibromide)   | Not detected | ug/L  | 0.5 |      | EPA 524.2        | 01:50         | 01/12/2015    |
| Dibromomethane                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,2-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 600  | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,3-Dichlorobenzene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,4-Dichlorobenzene                     | Not detected | ug/L  | 0.5 | 75   | EPA 524.2        | 01:50         | 01/12/2015    |
| Dichlorodifluoromethane                 | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,2-Dichloroethane                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,1-Dichloroethane                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,1-Dichloroethene                      | Not detected | ug/L  | 0.5 | 7    | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,2-Dichloropropane                     | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,3-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| 2,2-Dichloropropane                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,1-Dichloropropene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| Ethylbenzene                            | Not detected | ug/L  | 0.5 | 700  | EPA 524.2        | 01:50         | 01/12/2015    |
| Hexachlorobutadiene                     | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| Isopropylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| 4-Isopropyltoluene                      | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| Methylene chloride                      | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:50         | 01/12/2015    |
| Methyl(tert)butyl ether(MTBE)           | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| Naphthalene                             | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| n-Butylbenzene                          | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| n-Propylbenzene                         | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| sec-Butylbenzene                        | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| Styrene                                 | Not detected | ug/L  | 0.5 | 100  | EPA 524.2        | 01:50         | 01/12/2015    |
| tert-Butylbenzene                       | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,1,2,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,1,1,2-Tetrachloroethane               | Not detected | ug/L  | 1   |      | EPA 524.2        | 01:50         | 01/12/2015    |
| Tetrachloroethene                       | Not detected | ug/L  | 0.5 | 5    | EPA 524.2        | 01:50         | 01/12/2015    |
| Toluene                                 | Not detected | ug/L  | 0.5 | 1000 | EPA 524.2        | 01:50         | 01/12/2015    |
| Total THM (Drinking Water)              | Not detected | ug/L  | 2.0 |      | EPA 524.2        | 01:50         | 01/12/2015    |



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MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 1/9/2015 12:13:30  
Submit Date/Time: 1/9/2015 12:14:45  
Report Date: 1/15/2015

Monarch Environmental, Inc.  
P.O. Box 1986  
Brighton, MI 48116

BA Project # 33034  
BA Sample ID CA09836

Project Name: MCN0115.03  
Project Number: MCN0115.03  
Sample ID: #15 French Hall 2nd Flr.

| Analyte Name                            | Result       | Units | RL  | MCL   | Method Reference | Analysis Time | Analysis Date |
|---|--------------|-------|-----|-------|------------------|---------------|---------------|
| <b>Drinking Water Volatile Analysis</b> |              |       |     |       |                  |               |               |
| trans-1,2-Dichloroethene                | Not detected | ug/L  | 0.5 | 100   | EPA 524.2        | 01:50         | 01/12/2015    |
| trans-1,3-Dichloropropene               | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,2,3-Trichlorobenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,2,4-Trichlorobenzene                  | Not detected | ug/L  | 0.5 |       | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,1,1-Trichloroethane                   | Not detected | ug/L  | 0.5 | 200   | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,1,2-Trichloroethane                   | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 01:50         | 01/12/2015    |
| Trichloroethene                         | Not detected | ug/L  | 0.5 | 5     | EPA 524.2        | 01:50         | 01/12/2015    |
| Trichlorofluoromethane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,2,3-Trichloropropane                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,2,4-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:50         | 01/12/2015    |
| 1,3,5-Trimethylbenzene                  | Not detected | ug/L  | 1   |       | EPA 524.2        | 01:50         | 01/12/2015    |
| Vinyl chloride                          | Not detected | ug/L  | 0.5 | 2     | EPA 524.2        | 01:50         | 01/12/2015    |
| Xylenes(total)                          | Not detected | ug/L  | 1.5 | 10000 | EPA 524.2        | 01:50         | 01/12/2015    |

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

*[Signature]*  
1/15/10



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY  
CONTROL

## GC/MS VOLATILE METHOD 524.2

### REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

|                 |                  |              |       |              |            |
|-----------------|------------------|--------------|-------|--------------|------------|
| Analysis Date:  | January 12, 2015 | Standard ID: | 2382  | Inst./Detec: | VOL5 GC/MS |
| Laboratory ID#: | LCS              | Matrix:      | Water | Analyst:     | CW         |

|                       | Matrix Spike - Precision * |         |                             | Matrix Spike - Accuracy |            |           |                         |
|-----------------------|----------------------------|---------|-----------------------------|-------------------------|------------|-----------|-------------------------|
|                       | Spike 1                    | Spike 2 | Relative Percent Difference | Spk Conc                | % Recovery | Range (%) | Method Blank ug/L       |
| d4-1,2-Dichloroethane | 5.1                        | 5.1     | 0.4                         | 5ug/L                   | 102        | 70-130    | 95%                     |
| 4-Bromofluorobenzene  | 5.2                        | 4.6     | 11.1                        | 5ug/L                   | 98         | 70-130    | 89%                     |
| COMPOUNDS             |                            |         |                             |                         |            |           | Sample / blk background |
| 1,1-Dichloroethene    | 10.1                       | 9.3     | 8.7                         | 10ug/L                  | 97%        | 70-130    | <0.5                    |
| Trichloroethene       | 9.7                        | 9.4     | 2.7                         | 10ug/L                  | 96%        | 70-130    | <0.5                    |
| Benzene               | 9.6                        | 9.8     | 1.3                         | 10ug/L                  | 97%        | 70-130    | <0.5                    |
| Toluene               | 9.9                        | 9.5     | 3.3                         | 10ug/L                  | 96%        | 70-130    | <0.5                    |
| Chlorobenzene         | 9.7                        | 9.4     | 4.0                         | 10ug/L                  | 96%        | 70-130    | <0.5                    |

\* Matrix spike precision +/-20 Relative Percent Difference.

(ug/L is equivalent to ppb)

Comments: .....

**REPRESENTATIVE BATCH QUALITY CONTROL****Accuracy & Precision**Analyst: LTParameter: AlkalinityAnalysis Date: 01/15/15Method Reference: 310.1 / SM2320BMatrix: TotalBatch: W1**SPIKE - ACCURACY**

| Laboratory ID | Spike Concentration (ug/L) | Background (ug/L) | Recoveries (%) | Acceptable Range (%) | Method Blank Concentration (ug/L) |
|---------------|----------------------------|-------------------|----------------|----------------------|-----------------------------------|
| CA09830       | 250000                     | 61000             | 71 / 96        | 80 - 120             | <5000                             |

**SPIKE - PRECISION**

| Laboratory ID | Observed A (ug/L) | Observed B (ug/L) | RPD (%) | Acceptable Range |
|---------------|-------------------|-------------------|---------|------------------|
| CA09830       | 237500            | 300500            | 23.4    | 0 - 20           |

**MISCELLANEOUS**

|  | Standard ID # | (%) | Acceptable Range |
|--|---------------|-----|------------------|
| Independent Secondary Reference Material:  | P228-506      | 111 | 90 - 110         |
| Method Standard (Laboratory Control Spike) | 120314LT      | 93  | 80 - 120         |

**COMMENTS:** Matrix Spike Recovery is low due to sample matrix.



**REPRESENTATIVE BATCH QUALITY CONTROL****Accuracy & Precision**Analyst: HDParameter: pHAnalysis Date: 1/9/2015Method Reference: SM4500H+B/9040/9045

| SPIKE - ACCURACY                            |            |               |                |                  |                            |
|---|------------|---------------|----------------|------------------|----------------------------|
| Laboratory ID                               | TRUE Value | Background    | Observed Value | Acceptable Range | Method Blank Concentration |
| BUFFER 2407581                              | 6.00       |               | 6.08           | 0.05             |                            |
| SPIKE - PRECISION                           |            |               |                |                  |                            |
| Laboratory ID                               | Observed A | Observed B    | DIFFERENCE     | Acceptable Range |                            |
| CA09831                                     | 2.07       | 2.05          | 0.02           | 0.05             |                            |
|   |            |               |                |                  |                            |
|   |            | Standard ID # | % Recovery     |                  |                            |
| Independent Secondary Reference Material:   |            |               |                |                  |                            |
| Method Standard (Laboratory Control Spike): |            |               |                |                  |                            |

COMMENTS: \_\_\_\_\_

## Representative Batch Precision And Accuracy Quality Control Summary

## Ion Chromatograph EPA Method 300.0

Date: 1/9/15

Reviewed by: \_\_\_\_\_

Analyst: RM/LS

ERA P228

ERA # : WP 205

Exp. Date: May-15

| Analyte  | Sample Conc | LCS Value | LCS Conc. | % Rec. LCS | ERA Conc. | ERA TRUE Value | % Rec ERA | Control limits | Units |
|----------|-------------|-----------|-----------|------------|-----------|----------------|-----------|----------------|-------|
| Fluoride | <100        | 5,000     | 4,953     | 99         | 1,983     | 2,020          | 98        | 90-110%        | ug/L  |
| Chloride | <1000       | 50,000    | 50,710    | 101        | 46,381    | 46,500         | 100       | 90-110%        | ug/L  |
| Nitrite  | <10         | 1,000     | 1,043     | 104        |           |                |           | 90-110%        | ug/L  |
| Nitrate  | <10         | 1,000     | 1,037     | 104        | 28,204    | 26,100         | 108       | 90-110%        | ug/L  |
| Sulfate  | <1000       | 50,000    | 51,345    | 103        | 22,219    | 23,400         | 95        | 90-110%        | ug/L  |

Sample ID# 9832

| Analyte  | Sample Conc | Spike Value | MS Conc. | MSD Conc. | % Rec MS | % Rec MSD | RPD | Control limits | Units |
|----------|-------------|-------------|----------|-----------|----------|-----------|-----|----------------|-------|
| Fluoride | 173         | 5,000       | 4,561    | 4,550     | 88       | 88        | 0.2 | 80-120%        | ug/L  |
| Chloride | 85,314      | 50,000      | 133,050  | 133,412   | 95       | 96        | 0.3 | 80-120%        | ug/L  |
| Nitrite  | 0           | 1,000       | 599      | 620       | 60       | 62        | 3.6 | 80-120%        | ug/L  |
| Nitrate  | 1,093       | 1,000       | 2,516    | 2,538     | 142      | 144       | 0.9 | 80-120%        | ug/L  |
| Sulfate  | 37,094      | 50,000      | 86,813   | 86,971    | 99       | 100       | 0.2 | 80-120%        | ug/L  |

Nitrite and Nitrate recoveries are out of control due to sample matrix.

Sample ID# 9836

| Analyte  | Sample Conc | Spike Value | MS Conc. | MSD Conc. | % Rec MS | % Rec MSD | RPD | Control limits | Units |
|----------|-------------|-------------|----------|-----------|----------|-----------|-----|----------------|-------|
| Fluoride | 395         | 5,000       | 5,147    | 5,094     | 95       | 94        | 1.0 | 80-120%        | ug/L  |
| Chloride | 83,227      | 50,000      | 131,792  | 131,823   | 97       | 97        | 0.0 | 80-120%        | ug/L  |
| Nitrite  | 0           | 1,000       | 871      | 889       | 87       | 89        | 2.1 | 80-120%        | ug/L  |
| Nitrate  | 92          | 1,000       | 1,107    | 1,098     | 102      | 101       | 0.9 | 80-120%        | ug/L  |
| Sulfate  | 37,450      | 50,000      | 88,086   | 87,977    | 101      | 101       | 0.1 | 80-120%        | ug/L  |

Sample ID# \_\_\_\_\_

| Analyte  | Sample Conc | Spike Value | MS Conc. | MSD Conc. | % Rec MS | % Rec MSD | RPD | Control limits | Units |
|----------|-------------|-------------|----------|-----------|----------|-----------|-----|----------------|-------|
| Fluoride |             | 5,000       |          |           |          |           |     | 80-120%        | ug/L  |
| Chloride |             | 50,000      |          |           |          |           |     | 80-120%        | ug/L  |
| Nitrite  |             | 1,000       |          |           |          |           |     | 80-120%        | ug/L  |
| Nitrate  |             | 1,000       |          |           |          |           |     | 80-120%        | ug/L  |
| Sulfate  |             | 50,000      |          |           |          |           |     | 80-120%        | ug/L  |

# ICP-MS METHOD 200.8

## REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 1/12/2015

Standard ID: 010515-W1

Batch: 2W 01/12/15

Matrix Spike Lab ID: CA09836

Matrix: Total Water

Analyst: GW

| Metals     | Matrix Spike - Precision * |                         |         | Matrix Spike - Accuracy** |                 |                  |                    | Miscellaneous***  |                    |                        |
|------------|----------------------------|-------------------------|---------|---------------------------|-----------------|------------------|--------------------|-------------------|--------------------|------------------------|
|            | Matrix Spike (ug/L)        | Matrix Spike Dup (ug/L) | RPD (%) | Spk Conc (ug/L)           | MS Recovery (%) | MSD Recovery (%) | Sample Conc (ug/L) | Method Blk (ug/L) | LCS-Method STD (%) | Ind. Std. SPEX 1&3 (%) |
| Beryllium  | 2105                       | 2090                    | 0.7     | 2000                      | 105.3           | 104.5            | 0                  | <1                | 103.3              | 101.3                  |
| Sodium     | 41640                      | 41810                   | 0.4     | 20000                     | 95.3            | 96.1             | 22590              | <1000             | 101.2              | 99.4                   |
| Magnesium  | 39170                      | 39360                   | 0.5     | 20000                     | 97.6            | 98.5             | 19660              | <100              | 101.1              | 98.3                   |
| Aluminum   | 2047                       | 2057                    | 0.5     | 2000                      | 100.2           | 100.7            | 42.4               | <50               | 101.7              | 103.3                  |
| Potassium  | 23120                      | 23200                   | 0.3     | 20000                     | 98.6            | 99.0             | 3401               | <100              | 99.5               | 98.9                   |
| Calcium    | 65600                      | 65870                   | 0.4     | 20000                     | 93.4            | 94.8             | 46920              | <100              | 101.7              | 95.8                   |
| Vanadium   | 2058                       | 2050                    | 0.4     | 2000                      | 102.9           | 102.5            | 0.3                | <1                | 102.2              | 99.0                   |
| Chromium   | 2068                       | 2080                    | 0.6     | 2000                      | 103.1           | 103.7            | 5.1                | <1                | 103.6              | 102.4                  |
| Manganese  | 2101                       | 2107                    | 0.3     | 2000                      | 102.7           | 103.0            | 47.3               | <5                | 102.3              | 101.6                  |
| Iron       | 20500                      | 20660                   | 0.8     | 20000                     | 102.2           | 103.0            | 69.6               | <20               | 101.9              | 99.2                   |
| Cobalt     | 2066                       | 2080                    | 0.7     | 2000                      | 103.3           | 104.0            | 0.7                | <1                | 103.5              | 101.1                  |
| Nickel     | 2123                       | 2141                    | 0.8     | 2000                      | 103.2           | 104.1            | 59.6               | <1                | 104.1              | 103.8                  |
| Copper     | 2047                       | 2033                    | 0.7     | 2000                      | 101.4           | 100.7            | 18.7               | <1                | 101.8              | 104.4                  |
| Zinc       | 2136                       | 2121                    | 0.7     | 2000                      | 98.7            | 98.0             | 161.1              | <4                | 100.1              | 102.9                  |
| Arsenic    | 2064                       | 2057                    | 0.3     | 2000                      | 103.2           | 102.8            | 0.9                | 2.9               | 101.8              | 102.8                  |
| Selenium   | 2181                       | 2228                    | 2.1     | 2000                      | 109.1           | 111.4            | 0                  | <0.4              | 101.1              | 100.1                  |
| Molybdenum | 2044                       | 1992                    | 2.6     | 2000                      | 102.1           | 99.5             | 1.9                | <1                | 102.0              | 99.2                   |
| Silver     | 19.87                      | 19.70                   | 0.9     | 20                        | 97.9            | 97.0             | 0.3                | <0.2              | 103.0              | 100.0                  |
| Cadmium    | 2051                       | 2007                    | 2.2     | 2000                      | 102.5           | 100.3            | 0.4                | <0.2              | 102.8              | 99.7                   |
| Antimony   | 2059                       | 2045                    | 0.7     | 2000                      | 103.0           | 102.3            | 0                  | 1.1               | 104.7              | 109.1                  |
| Barium     | 2075                       | 2041                    | 1.7     | 2000                      | 102.8           | 101.1            | 19.6               | <1                | 105.4              | 101.9                  |
| Thallium   | 2044                       | 2024                    | 1.0     | 2000                      | 102.2           | 101.2            | 0                  | <0.5              | 103.4              | 106.8                  |
| Lead       | 2072                       | 2035                    | 1.8     | 2000                      | 103.5           | 101.6            | 3                  | <1                | 106.6              | 101.5                  |

\* Matrix spike precision range +/- 20% RPD

\*\* Matrix spike accuracy range +/- 30% recovery

\*\*\* LCS accuracy range +/- 20% recovery / Ind std accuracy range +/- 10% recovery

Comments: \_\_\_\_\_

# ICP-MS

## METHOD 200.8

### REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 1/12/2015

Standard ID: 010515-W1

Batch: 1W 01/12/15

Matrix Spike Lab ID: CA09811

Matrix: Total Water

Analyst: GW

| Metals     | Matrix Spike - Precision * |                         |         | Matrix Spike - Accuracy** |                 |                  |                    | Miscellaneous***  |                    |                        |
|------------|----------------------------|-------------------------|---------|---------------------------|-----------------|------------------|--------------------|-------------------|--------------------|------------------------|
|            | Matrix Spike (ug/L)        | Matrix Spike Dup (ug/L) | RPD (%) | Spk Conc (ug/L)           | MS Recovery (%) | MSD Recovery (%) | Sample Conc (ug/L) | Method Blk (ug/L) | LCS-Method STD (%) | Ind. Std. SPEX 1&3 (%) |
| Beryllium  | 1985                       | 2085                    | 4.9     | 2000                      | 99.3            | 104.3            | 0                  | <1                | 106.2              | 101.3                  |
| Sodium     | 24010                      | 24470                   | 1.9     | 20000                     | 96.8            | 99.1             | 4651               | <1000             | 105.7              | 99.4                   |
| Magnesium  | 25800                      | 26020                   | 0.8     | 20000                     | 97.3            | 98.4             | 6340               | <100              | 105.2              | 98.3                   |
| Aluminum   | 2020                       | 2072                    | 2.5     | 2000                      | 100.4           | 103.0            | 12.4               | <50               | 106.2              | 103.3                  |
| Potassium  | 20770                      | 21060                   | 1.4     | 20000                     | 98.3            | 99.7             | 1117               | <100              | 104.5              | 98.9                   |
| Calcium    | 50340                      | 49680                   | 1.3     | 20000                     | 93.2            | 89.9             | 31710              | <100              | 106.8              | 95.8                   |
| Vanadium   | 2017                       | 2037                    | 1.0     | 2000                      | 100.8           | 101.8            | 0.2                | <1                | 105.3              | 99.0                   |
| Chromium   | 2025                       | 2052                    | 1.3     | 2000                      | 101.2           | 102.6            | 0.7                | <1                | 106.5              | 102.4                  |
| Manganese  | 2033                       | 2059                    | 1.3     | 2000                      | 101.6           | 102.9            | 1.2                | <5                | 106.9              | 101.6                  |
| Iron       | 20310                      | 20230                   | 0.4     | 20000                     | 101.2           | 100.8            | 79.6               | <20               | 106.2              | 99.2                   |
| Cobalt     | 2028                       | 2053                    | 1.2     | 2000                      | 101.4           | 102.7            | 0                  | <1                | 107.4              | 101.1                  |
| Nickel     | 2030                       | 2047                    | 0.8     | 2000                      | 101.5           | 102.3            | 0.5                | <1                | 107.0              | 103.8                  |
| Copper     | 1974                       | 1981                    | 0.4     | 2000                      | 98.7            | 99.0             | 0.4                | <1                | 104.8              | 104.4                  |
| Zinc       | 1946                       | 1957                    | 0.6     | 2000                      | 97.3            | 97.8             | 0.8                | <4                | 102.1              | 102.9                  |
| Arsenic    | 2018                       | 2005                    | 0.6     | 2000                      | 100.9           | 100.3            | 0                  | <1                | 104.1              | 102.8                  |
| Selenium   | 2114                       | 2523                    | 17.6    | 2000                      | 105.7           | 126.2            | 0                  | <0.4              | 114.4              | 100.1                  |
| Molybdenum | 1956                       | 2001                    | 2.3     | 2000                      | 97.8            | 100.0            | 0.3                | <1                | 104.9              | 99.2                   |
| Silver     | 19.34                      | 19.96                   | 3.2     | 20                        | 96.2            | 99.3             | 0.1                | <0.2              | 104.4              | 100.0                  |
| Cadmium    | 1983                       | 2015                    | 1.6     | 2000                      | 99.1            | 100.7            | 0.8                | 1.0               | 105.0              | 99.7                   |
| Antimony   | 1959                       | 2035                    | 3.8     | 2000                      | 97.9            | 101.7            | 0.2                | <1                | 108.0              | 109.1                  |
| Barium     | 2006                       | 2023                    | 0.8     | 2000                      | 100.2           | 101.1            | 1.4                | <1                | 106.3              | 101.9                  |
| Thallium   | 1994                       | 2015                    | 1.0     | 2000                      | 99.7            | 100.8            | 0                  | <0.5              | 105.6              | 106.8                  |
| Lead       | 2040                       | 2068                    | 1.4     | 2000                      | 102.0           | 103.4            | 0                  | <1                | 107.5              | 101.5                  |

\* Matrix spike precision range +/- 20% RPD

\*\* Matrix spike accuracy range +/- 30% recovery

\*\*\* LCS accuracy range +/- 20% recovery / Ind std accuracy range +/- 10% recovery

Comments: \_\_\_\_\_



**REPRESENTATIVE BATCH QUALITY CONTROL****Accuracy & Precision**Analyst: LTParameter: SodiumAnalysis Date: 01/14/15Method Reference: 200.7/6010AMatrix: TotalBatch: W1

| SPIKE - ACCURACY                            |                            |                   |                      |                      |                                   |
|---|----------------------------|-------------------|----------------------|----------------------|-----------------------------------|
| Laboratory ID                               | Spike Concentration (ug/L) | Background (ug/L) | Recoveries (%)       | Acceptable Range (%) | Method Blank Concentration (ug/L) |
| CA9836                                      | 20000                      | 17340             | 75/74                | 70 - 130             | <100                              |
| SPIKE - PRECISION                           |                            |                   |                      |                      |                                   |
| Laboratory ID                               | Observed A (ug/L)          | Observed B (ug/L) | RPD (%)              | Acceptable Range     |                                   |
| CA9836                                      | 32370                      | 32120             | 0.78                 | 0 - 20               |                                   |
| MISCELLANEOUS                               |                            |                   |                      |                      |                                   |
|   | Standard ID #              | Recovery (%)      | Acceptable Range (%) |                      |                                   |
| Independent Secondary Reference Material:   | SPEX 1&3                   | 96                | 95 - 105             |                      |                                   |
| Method Standard (Laboratory Control Spike): | 091914Na                   | 89                | 80 - 120             |                      |                                   |

COMMENTS: \_\_\_\_\_